



The
United
States
of
America



PTO UTILITY GRANT

Paper Number 19

The Commissioner of Patents
and Trademarks

Has received an application for a patent for a
new and useful invention. The title and de-
scription of the invention are enclosed. The
requirements of law have been complied with,
and it has been determined that a patent on
the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this
patent the right to exclude others from mak-
ing, using, offering for sale, or selling the in-
vention throughout the United States of
America or importing the invention into the
United States of America for the term set forth
below, subject to the payment of maintenance
fees as provided by law.

If this application was filed prior to June 8,
1995, the term of this patent is the longer of
seventeen years from the date of grant of this
patent or twenty years from the earliest effec-
tive U.S. filing date of the application, sub-
ject to any statutory extension.

If this application was filed on or after June
8, 1995, the term of this patent is twenty years
from the U.S. filing date, subject to an statu-
tory extension. If the application contains a
specific reference to an earlier filed applica-
tion or applications under 35 U.S.C. 120, 121
or 365(c), the term of the patent is twenty years
from the date on which the earliest applica-
tion was filed, subject to any statutory exten-
sion.

Bence Lehman
Commissioner of Patents and Trademarks

Margaret V. Turner
Attest

Form PTO-1584 (Rev. 2/97)

BEST AVAILABLE COPY